

**REMARKS**

Claims 1-26 are pending in this application. Applicants appreciate the Office Action's indication that claims 16-18 are allowed and claims 3-5, 8-11 and 15 contain allowable subject matter.

By this Amendment, claims 1, 6 and 12 are amended to obviate informalities, and not for substantial reasons of patentability. Claim 23-26 are added. Reconsideration of the application is respectfully requested.

Applicants thank Examiner Nguyen for the courtesies extended to Applicants' representative, Mr. Luo, during the October 25, 2004 personal interview. The substance of the personal interview is incorporated in the following remarks.

The Office Action rejects claims 1, 6, 12, 13 and 19-21 under 35 U.S.C. §102(b) over U.S. Patent No. 5,990,968 to Naka et al. This rejection is respectfully traversed.

The Office Action asserts that Naka discloses all elements recited in claims 1, 6, 12, 13 and 19-21. Applicants respectfully submit that Naka does not disclose or suggest a control signal indicating a type of an electro-optical panel, as recited in claim 1; or a control signal indicating a type of input image data, as recited in claim 6.

As discussed during the interview, Naka discloses a radio signal processing system in which a controller uses a control signal. See Fig. 1 and col. 4, lines 12-18. Naka discloses that the control signal is a memory write-in control signal generated on the basis of horizontal and vertical synchronizing signals. See col. 4, lines 19-40, and col. 5, lines 28-47. As discussed during the personal interview, Naka discloses control signal generated based on synchronizing signals, but does not disclose or suggest a control signal indicating a type of an electro-optical panel or a type of input image data. Therefore, Naka does not disclose each and every element recited in claim 1 or claim 6.

It was discussed during the interview regarding the implication of classification means and adjustment means disclosed in Naka at, for example, column 2, lines 44-67. Applicants respectfully submit that Naka's classification means merely groups data pixels into black and white pixels. See column 7, lines 60-67. The statistics of the black and white pixels are used to adjust a sampling clock. See column 9, lines 31-47. Naka discloses that the adjustment means adjusts the sampling clock according to pixel statistics, but does not disclose or suggest making adjustments based on the type of electro-optical panel, as recited in claim 1.

Also, each of Naka's classifications represents a group of pixels in the data set, but does not represent the data set itself. For example, the black pixel classification represents the black pixels in the data set, which is only a part of the data set. The black pixel classification does not represent the data set itself which includes both black pixels and white pixels. Therefore, Naka does not disclose or suggest a type of input data. Thus, Naka does not disclose or suggest a control signal indicating the type of the input data, as recited in claim 6.

For at least the above reasons, Naka does not disclose or suggest the subject matter recited in claims 1 and 6, and 19-21 depending therefrom.

Furthermore, Applicants respectfully submit that Naka does not disclose or suggest a mean value generating device that calculates a mean gray scale value of an image according to input image data, and a data conversion device that converts the input image data based on the mean gray scale value, as recited in claim 12.

Naka discloses grouping pixels into black and white pixels. See column 6, line 55-column 7, line 16. Naka discloses average black pixel value and average white pixel value. See column 7, lines 49-67. The average black and white pixel values are used to obtain average difference between the average black pixel and white pixel values. Naka discloses mean values for black and white pixels separately, but does not disclose or suggest a

mean gray scale value of an image according to input image data, much less converting the input image data according to a mean value signal indicating the mean gray scale value.

Therefore, Naka does not disclose or suggest a mean value generating device that calculates a mean gray scale value of an image according to input image data and that generates a mean value signal indicating the mean gray scale value, and a data conversion device that converts the input image data according to the mean value signal, as recited in claim 12. Accordingly, Naka does not disclose or suggest the subject matter recited in claim 12, and claim 13 depending therefrom.

Withdrawal of the rejection of claims 1, 6, 12, 13 and 19-21 under 35 U.S.C. §102(b) is respectfully requested.

The Office Action rejects claims 2, 7, 14 and 22 under 35 U.S.C. §103(a) over Naka in view of U.S. Patent No. 6,724,381 to Sakashita. This rejection is respectfully traversed.

Sakashita discloses an image signal processing apparatus that generates a clock phase-synchronized with an input image signal. Sakashita does not disclose or suggest a control signal indicating a type of an electro-optical panel or a type of input image data. Sakashita does not disclose or suggest a mean gray scale value of an image according to input image data. Therefore, Sakashita does not supply the subject matter lacking in Naka.

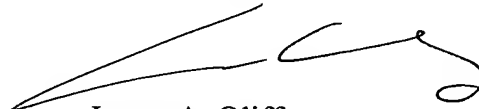
For at least the above reasons, Naka and Sakashita, either individually or in combination, do not disclose or suggest the subject matter recited in claims 1 or 6, and claims 2, 7, 14 and 22 depending therefrom. Withdrawal of the rejection of claims 2, 7, 14 and 22 under 35 U.S.C. §103(a) is respectfully requested.

New claims 23-26 are believed to be patentable at least in view of the patentability of claim 1, from which it depends, as well as for the additional features it recites.

In view of the foregoing, it is respectfully submitted that this application is in condition for allowance. Favorable reconsideration and prompt allowance of claims 1-26 are earnestly solicited.

Should the Examiner believe that anything further would be desirable in order to place this application in even better condition for allowance, the Examiner is invited to contact the undersigned at the telephone number set forth below.

Respectfully submitted,



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Attachment:  
Amendment Transmittal

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